## **AMENDMENTS**

## **IN THE CLAIMS:**

Please amend claims 1 and 8, and cancel claim 7 as follows below:

 (Currently amended) A method for cleaning a wafer, comprising: patterning a via or a trench, or both, in a porous, low-k dielectric layer overlying the wafer;

cleaning a polymer residue from surfaces of the patterned dielectric layer using a wet clean solvent; and

performing a non-plasma anneal on the patterned dielectric layer to remove a component of the solvent prior to a metal deposition, wherein the anneal comprises a low pressure anneal from about one atmosphere of pressure to substantial vacuum.

- 2. (Previously presented) The method of claim 1, wherein the dielectric layer comprises at least one of: an organosilicate glass (OSG), a methylsilsesquioxane (MSQ) dielectric material, a fluorine-doped silicate glass (FSG), and a silicon-dioxide (SiO2).
- 3. (Previously presented) The method of claim 1, wherein the wet clean solvent comprises an acid.
- 4. (Previously presented) The method of claim 3, wherein the component comprises dimethyl acetamide (DMAC).
- 5. (Previously presented) The method of claim 1, further comprising: performing a dry clean of the patterned dielectric layer to remove a photoresist, prior to cleaning the polymer residue.

- 6. (Previously presented) The method of claim 5, wherein the dry clean comprises a plasma including at least one of: hydrogen, oxygen and an inert gas.
  - 7. (Canceled).
- 8. (Currently Amended) The method of claim 71, wherein the low-pressure anneal is performed in substantially a vacuum.
- 9. (Previously presented) The method of claim 1, wherein the anneal comprises a high-temperature anneal.
- 10. (Previously presented) The method of claim 9, wherein the high-temperature anneal is performed at a higher temperature than a boiling point of the component.
- 11. (Previously presented) The method of claim 9, wherein the high temperature anneal is performed at a temperature less than or equal to 300 degrees Celsius.
- 12. (Previously presented) The method of claim 9, wherein the high temperature anneal is at least partially performed at 250 degrees Celsius.
- 13. (Previously presented) The method of claim 1, wherein the anneal is performed for a duration that does not alter a critical dimension of the patterned dielectric layer and does not cause a metal extrusion.
- 14. (Previously presented) The method of claim 13, wherein the duration comprises at most three minutes.

- 15. (Previously presented) The method of claim 1, wherein the anneal excludes an application to the patterned dielectric layer of a plasma generated from at least one of: a radio-frequency energy and a microwave energy.
  - 16. (Canceled).
- 17. (Previously presented) The method of claim 1, wherein the metal deposition includes a copper deposition.
- 18. (Previously presented) The method of claim 1, wherein the metal deposition comprises at least one of: a barrier deposition and a metal seed layer deposition.
  - 19. (Canceled).
- 20. (Previously presented) A method for removing volatile cleanser compounds from a post-etch substrate, comprising:

performing a plasma strip of an exposed low k dielectric material to remove a photoresist residue after an etch of the material;

performing a wet clean process using a fluorine-based solvent to remove a polymer residue of the plasma strip from the material; and

performing a low-pressure, high-temperature, limited-duration anneal after the wet clean process and prior to a metal barrier deposition to remove a component of the fluorine-based solvent from the material, wherein the anneal is exclusive of an application of a plasma generated from one or more of: a radio-frequency (RF) radiation and a microwave radiation.